



U.S. Department
of Transportation

**Federal Aviation
Administration**

CE-05-63
June 28, 2005

SPECIAL AIRWORTHINESS INFORMATION BULLETIN

Aircraft Certification Service
Washington, DC

<http://www.faa.gov/aircraft/safety/alerts/>

This is information only. Recommendations aren't mandatory.

Introduction

This Special Airworthiness Information Bulletin alerts you, owners and operators of **Cameron Balloons Ltd. Models Cameron Shadow/Shadow Stealth and Stratus, Triple, Quad and Stratus Triple Burners burner assemblies**, that the United Kingdom Civil Aviation Authority (CAA), issued Airworthiness Directive (AD) No. G-2004-0026, dated November 1, 2004 (attached).

Background

The manufacturer has identified several occurrences of cracked welds found between the burner support plate and the burner mounting tube after ground transportation. The cracks are caused by insufficient weld bead/fatigue. Failure to detect and correct a cracked or damaged burner support assembly could cause the burner to detach during flight and cause and uncontrolled flame. This failure could result in the inability to control the balloon and presents a hazard to the envelope, the occupants of the balloon, and the people on the ground.

Recommendation

We recommend that you comply with CAA, AD No. G-2004-0026, dated November 1, 2004. Specifics of this AD are as follows:

- compliance before further flight.
- do the "Accomplishment Instructions" as described in Cameron Balloons Alert Service Bulletin No 13, dated October 29, 2004 (also attached).

Reference Publications

For questions about Cameron Service Bulletin No 13, contact Cameron Balloons Ltd, St Johns Street, Bedminster, Bristol BS3 4NH, United Kingdom; telephone: +44 (0) 117 9637216; facsimile: +44 (0) 117 9661168, or on the Internet at <http://www.cameronballoons.co.uk/index.cfm>. For question about the CAA AD, contact Civil Aviation Authority, Aircraft Certification Section, Safety Regulation Group, Aviation House, Gatwick Airport South, West Sussex, RH6 OYR, United Kingdom; telephone: +44(0) 1293 5732902; facsimile: +44 (0) 1293 573976, or on the Internet at <http://www.caa.co.uk>.

For Further Information Contact

Taylor Martin, Aerospace Engineer, FAA
Small Airplane Directorate, ACE-112, 901
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Alert Service Bulletin

**CAMERON
BALLOONS**

1. General *This Service Bulletin is subject to CAA Airworthiness Directive number G-2004-0026*

(a) No.:	13
(b) Revision / Date	Revision 0 / Date 29/10/04
(b)Title:	Cracking of Weld on Triple and Quad Burner Mountings.
(c)Description:	Possible failure of weld at joint between the burner can support plate and mounting tube.
(d)Applicability:	All Shadow, Stealth and Stratus Triple/Quad Burner assemblies with gimballed burners
(e)Effectivity:	All

Note: Applicability= All types and variants to which the change can be applied.
Effectivity= Actual CN or group of CN's to which the bulletin has been/will be applied.

2. Background:

There have been a number of failures during road transport of the weld between the burner can support plate and mounting tube due to insufficient weld bead/fatigue.

3. Compliance (Category):

Inspection before next flight.

4. Consequences of Non-Compliance (Possible):

Burner could become detached during flight.

5. Accomplishment Instructions:

Inspect burner mounting bracket for security and correct appearance. Refer to Figure1. Non-conforming/cracked brackets must be replaced. Exchange brackets will be provided together with an instruction sheet for local replacement, or the burner can be returned to the factory. Refer to Cameron Balloons Ltd. for details.

6. Materials: Replacement Parts

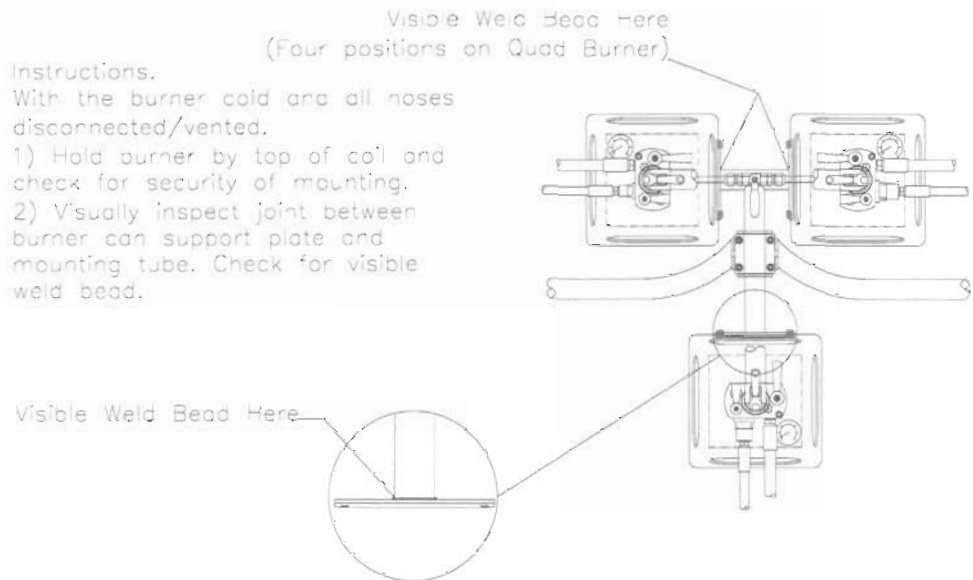
Shadow/Shadow Stealth - Triple Bracket - CB2216, Quad Bracket - CB2252.
Stratus- Triple Bracket CB8592, Quad Bracket -CB8596.

7. Other Publications Affected: Not Affected

8. Mass(Weight)/Balance: Not Affected

9. Maintenance and Operating Instructions: Not Affected

10. Figure 1:



Bracket With Correct Weld Bead

Bracket Without Correct Weld Bead



Compiled by:

Notes:

Date: 29/10/04

Name: FJ Davies

11. Design Organisation Approval:

Statement of Compliance Verification:

I hereby confirm that this Alert is in compliance with all the applicable airworthiness requirements.

Signed, for and on behalf of Cameron Balloons Ltd.

BE Bower



Head of Airworthiness

Date: 29/10/04

Name: BE Bower



United Kingdom Civil Aviation Authority

AIRWORTHINESS DIRECTIVE

AD No: G-2004-0026

Issue Date: 1 November 2004

This AD is issued by the UK CAA acting for and on behalf of the European Aviation Safety Agency as the Primary Aviation Authority (ICAO Annex 8 Authority of State of Design) for the affected product(s).

Approved by the European Aviation Safety Agency under approval number 2004-10824 on 29 October 2004.

In accordance with Article 9(7)(b) of the Air Navigation Order 2000 as amended the following action required by this Airworthiness Directive (AD) is mandatory for applicable aircraft registered in the United Kingdom.

No person may operate an aircraft to which an AD applies except in accordance with the requirements of that AD unless otherwise agreed with the Authority of the State of Registry.

Type Approval Holders Name:

CAMERON BALLOONS LIMITED

Type/Model Designation(s):

**SHADOW/SHADOW STEALTH AND
STRATUS - TRIPLE AND QUAD BURNERS**

Superseded/ Revised ADs: None

ATA 28 - TRIPLE AND QUAD BURNER SUPPORT – INSPECTION

Manufacturer(s): Cameron Balloons Limited.

Applicability: All Cameron Shadow/Shadow Stealth - Triple, Quad and Stratus Triple, Quad gimballed burner assemblies installed on, but not limited to Cameron Balloons Ltd A, N, O, Z, Thunder S1, S2 and Colt A series hot air balloons, certificated in any category.

Reason: The manufacturer has identified several occurrences of cracked welds between the burner support plate and the burner mounting tube following road transportation. Failure to identify a cracked or damaged burner support assembly could result in burner separation and an uncontrolled flame that presents a hazard to the envelope and the balloon's occupants and persons on the ground.

Effective Date: 2 November 2004

Compliance/Action: Before further flight after the effective date of this AD, inspect the burner support plate and mounting tube in accordance with Cameron Balloons Ltd Service Bulletin No 13 issue A or later EASA approved revision. Any cracked or damaged support plates or mounting tubes must be replaced with items that have been satisfactorily inspected in accordance with Cameron Balloons Ltd Service Bulletin No 13 issue A or later EASA approved revision before further flight.

Reference Publications: Cameron Service Bulletin No 13, may be obtained from Cameron Balloons Ltd, St Johns Street, Bedminster, Bristol BS3 4NH, United Kingdom. Phone +44 (0) 117 9637216, Fax +44 (0) 117 9661168.

Remarks: Enquires regarding this AD should be referred to Mr. N Williams, Civil Aviation Authority, Aircraft Certification Section, Safety Regulation Group, Aviation House, Gatwick Airport South, West Sussex, RH6 0YR, United Kingdom. Phone: +44 (0) 1293 573292 Fax: +44 (0) 1293 573976 E-mail: neil.williams@srg.caa.co.uk

Note: This Airworthiness Directive was originally issued as an Emergency AD on 1 November 2004.